

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listing, of claims in the application:

#### **Listing of the Claims:**

Claim 1. (Currently Amended) A pharmaceutical composition for oral absorption of a polar active substance, consisting essentially of:

(a) at least one polar active substance having a bioavailability of less than 30% which is poorly absorptive through lipid membranes because of its high hydrophilicity and charged ion;

(b) at least one organic alkalizing agent having an amino acid or polyol structure which shows alkalinity in aqueous solution and is ionically bonded to the polar active substance; and

(c) at least one surfactant having a C<sub>6-18</sub> fatty acid structure which has an HLB (Hydrophilic-Lipophilic Balance) value of 4 to 18,

wherein the polar active substance and the organic alkalizing agent are combined with each other to form a hydrophobic conjugate.

Claim 2. (Withdrawn) A pharmaceutical composition for oral absorption of a polar active substance, consisting essentially of:

(a) at least one polar active substance having a bioavailability of less than 30% which is poorly absorptive through lipid membranes because of its high hydrophilicity and charged ion.

(b) at least one organic alkalizing agent having a fatty acid ester structure which shows alkalinity in aqueous solution and is ionically bonded to the polar active substance.

Claim 3. (Currently Amended) The pharmaceutical composition according to claim 1, wherein the polar active substance is at least one selected from cephalordine, ceftiofur, cefixime, cefepime, cefoperazone, cefotaxime, ceftazidime, ceftriaxone, moxalactam, gentamicin, aztreonam, amikacin, isepamycin, netilmicin, tobramycin, vancomycin, daptomycin, teicoplanin, polymixin-B,

bacitracin, heparin, parathyroid hormone, growth hormone and insulin.

Claim 4. (Original) The pharmaceutical composition according to claim 1, wherein the organic alkalizing agent having an amino acid structure is at least one selected from amino acids, amino acid derivatives and peptides; and the organic alkalizing agent having a polyol structure is at least one selected from alkaline saccharides, their oligomers and polymers prepared from 20 or fewer alkaline saccharides as monomers, and saccharide-like compounds.

Claim 5. (Original) The pharmaceutical composition according to claim 1, wherein the surfactant is at least one selected from sugar fatty acid esters, saccharin fatty acid esters, glycerol fatty acid esters, propylene glycol fatty acid esters, polyethylene glycol fatty acid esters, sorbitan fatty acid esters and polysorbitan fatty acid esters.

Claim 6. (Withdrawn) The pharmaceutical composition according to claim 2, wherein the organic alkalizing agent having a fatty acid ester structure is at least one alkaline substances prepared from the dehydration between a hydroxyl group (-OH) of a fatty acid ester and a carboxyl group (-COOH) of an amphoteric compound having both an amine group (-NH<sub>2</sub>) and a carboxyl group (-COOH).

Claim 7. (Previously Presented) The pharmaceutical composition according to claim 1, wherein the active substance and the organic alkalizing agent are present in a charge ratio of 10:1~1:10.

Claim 8. (Previously Presented) The pharmaceutical composition according to claim 1, wherein the polar active substance has at least one anionic moiety and has a partition coefficient (Log P) of 1.5 or lower.

Claim 9. (Currently Amended) The pharmaceutical composition according to claim 1,

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wherein the ~~polar active substance and the organic alkalizing agent are combined with each other to form a hydrophobic conjugate~~ having has a size of 10nm to 100 $\mu$ m in water phase.

Claim 10. (Previously Presented) The pharmaceutical composition according to claim 1, further comprising at least one pharmaceutically acceptable excipient selected from disintegrating agents, suspending agents, thickening agents, lubricating agents, sweetening agents, plasticizers and preservatives.

Claim 11. (Previously Presented) The pharmaceutical composition according to claim 1, wherein the active substance forms a hydrophobic conjugate by intestinal juices after orally administered in the solid states.

Claim 12. (Previously Presented) The pharmaceutical composition according to claim 1, wherein the composition is formulated into syrups, dry syrups, powdery granules, tablets or capsules.

Claim 13. (Original) The pharmaceutical composition according to claim 11, wherein the composition is enteric coated when the active substance is unstable to gastric acid.